

(19) World Intellectual Property
Organization
International Bureau



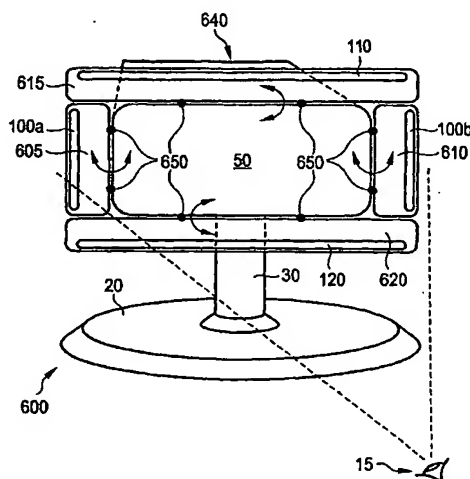
(43) International Publication Date
7 July 2005 (07.07.2005)

PCT

(10) International Publication Number
WO 2005/062608 A3

- (51) International Patent Classification⁷: **H04N 5/64**,
G06F 1/16
- (21) International Application Number:
PCT/IB2004/052865
- (22) International Filing Date:
20 December 2004 (20.12.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
03104779.8 18 December 2003 (18.12.2003) EP
- (71) Applicant (for all designated States except US): **KONINKLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL];
Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **SMITS, Emmanuel**
[NL/NL]; Triester Strasse 64, A-1101 Vienna (AT).
- (54) Title: SUPPLEMENTARY VISUAL DISPLAY SYSTEM
- (74) Agents: **RÖGGLA, Harald** et al.; Philips Intellectual
Property & Standards, Triester Strasse 64, A-1101 Vienna
(AT).
- (81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ,
TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA,
ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,

[Continued on next page]



(57) Abstract: There is provided a supplementary visual display system (10,200) for use in conjunction with a display device (40) including an image display region (50) for presenting images to a viewer (15). The system (10,200) comprises: (a) one or more illumination sources (100a, 100b, 110, 120) which at least partially peripherally surround the image display region (50) and/or project illumination radiated therefrom so as to illuminate a region visually appearing to the viewer (15) to at least partially peripherally surround the image display region (50); (b) monitoring components for monitoring audio program content and/or intensity and/or color and/or depth information in the entire image display region (50) or in one or more sub-regions (300, 310, 320, 330) of the image display region (50) when images are presented thereon and generating corresponding image and/or audio indicative signals; and (c) controlling components (500) for controlling light radiation emitted in use from the one or more illumination sources (100a, 100b, 110, 120) in response to at least one of the image and/or audio indicative signals so as to provide at least a partial spatial extension of the image display region (50).



SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

(88) Date of publication of the international search report:
20 October 2005

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.